

Abstract of the Disclosure

The present invention relates to interferon-immunoglobulin Fc fusion proteins (referred to as "IFN-Fc hybrids") and their use in treating tumors. The IFN-Fc hybrids preferably (but not necessarily) include linkers between the IFN and the Fc portion, and the IFN portion can be an IFN variant. These linkers are preferably composed of a T cell inert sequence, or any non-immunogenic sequence, including Gly-Ser repeat units. The preferred Fc fragment is a human immunoglobulin Fc fragment, preferably the $\gamma 4$ chain.

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